

Patent Abstracts of Japan

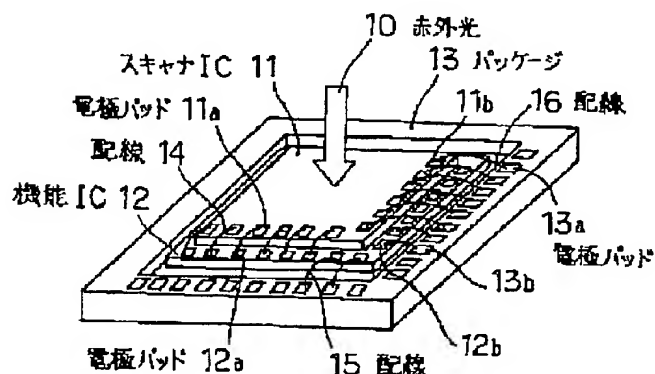
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TITLE : LAMINATED SOLID-STATE
 IMAGE-PICKUP ELEMENT



ABSTRACT : PROBLEM TO BE SOLVED: To cause an element to satisfactorily execute a desired function, without increasing the chip size of a scanner IC.

SOLUTION: A laminated solid-state image-pickup element is composed of a scanner IC 11, and a function IC 12 laminated on the surface opposite to the light-receiving surface of the scanner IC 11. The scanner IC 11 has a plurality of pixels comprising photodetectors respectively and address circuits for independently reading signals generated by individual pixels. The function IC 12 is fitted with integrating circuits for performing integration of signals which are read from the photodetectors, offset removing circuits for removing offsets and A/D converter circuits for performing conversion into digital signals, and is connected to the scanner IC 11 via distributing wires 14.

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